


# COUNCIL COMMUNICATION

	Number:	<b>20-452</b>	Meeting:	<b>October 19, 2020</b>
	Agenda Item:	<b>10</b>	Roll Call:	<b>20-1645</b>
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Approving Change Order No. 6 with Jasper Construction Services, Inc. for additional work on Court Avenue, SW 1st Street, and Scott Avenue Bridge Rehabilitations, in an amount of \$409,223.25.

## SYNOPSIS:

Recommend approval of Change Order No. 6 with Jasper Construction Services, Inc. (Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208), for additional work on Court Avenue, SW 1st Street, and Scott Avenue Bridge Rehabilitations, in an amount not to exceed \$409,223.25. This project provides for the rehabilitation of three (3) structurally deficient bridges as part of the City's TIGER Grant project.

## FISCAL IMPACT:

Amount: \$409,223.25

### Funding Source:

- Court Avenue Bridge: 2020-2021 CIP, Page Bridge – 5, Court Avenue Bridge over the Des Moines River, BR054
- SW 1st Street Bridge: 2020-2021 CIP, Page Bridge – 12, SW 1st Street Bridge over Raccoon River, BR056, TIGER, Gaming Monies
- Scott Avenue Bridge: 2020-2021 CIP, Page Bridge – 9, Scott Avenue Bridge over the Des Moines River, BR051, TIGER

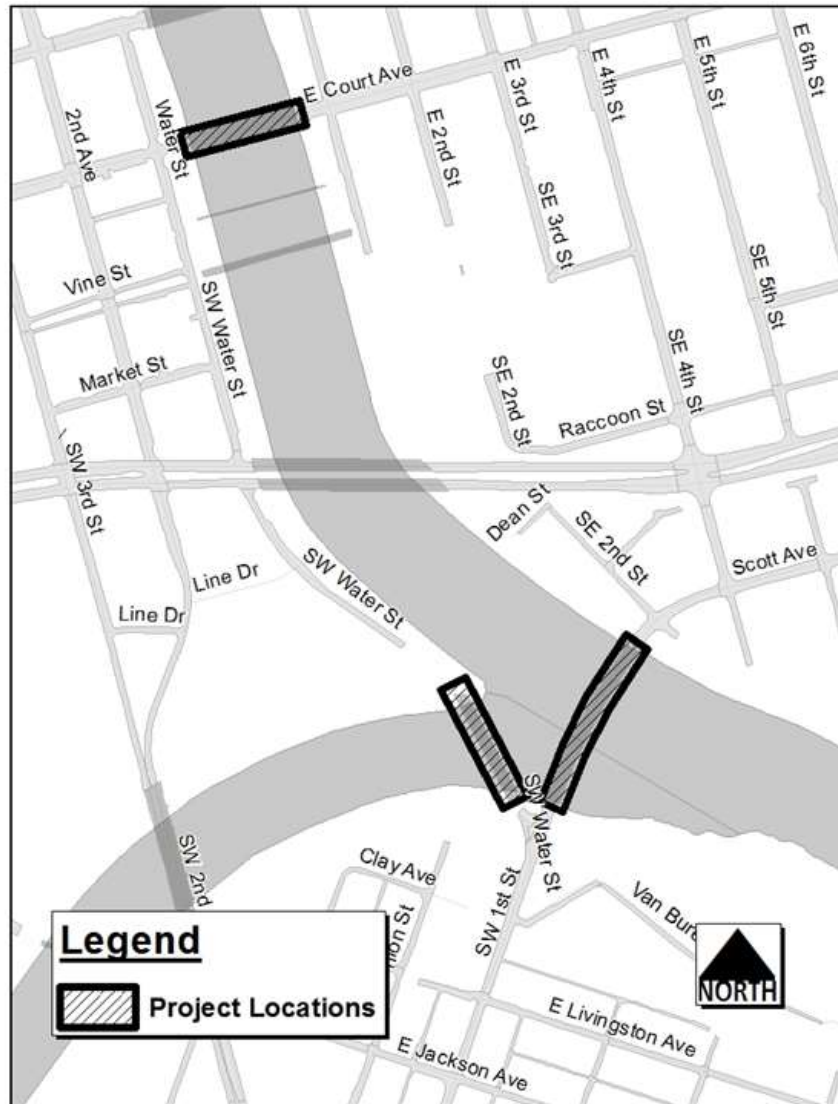
## ADDITIONAL INFORMATION:

- On March 19, 2018, under Roll Call No. 18-0517, the City Council approved plans and specifications and designated the lowest responsible bidder as Jasper Construction Services, Inc. for \$8,419,431.30.
- The improvement includes the structural rehabilitation of three (3) bridges: Court Avenue and Scott Avenue bridges over the Des Moines River and SW 1st Street pedestrian bridge over the Raccoon River, primarily consisting of the following:
  - Court Avenue - includes concrete removal and repair, replacement and strengthening of bridge sidewalks, high performance concrete deck overlay, installation of galvanic corrosion anodes, longitudinal grooving, replacement of existing limestone railing with new limestone railing with a granite base, limestone cleaning and repairs to the exterior

bridge elements and facing, replacement of bridge joints, replacement of bridge approach paving, removing and installing new architectural street lighting, traffic control, pavement markings, and mobilization.

- Scott Avenue - includes concrete removal and repair, high performance concrete deck overlay, concrete barrier rail repairs, ornamental metal rail and steel pipe handrail, replacement of bridge joints with new steel extrusion joints and neoprene glands, installation of galvanic corrosion anodes, longitudinal grooving, replacement of bridge approach pavement and sidewalks, traffic control, pavement markings, and mobilization.
  - SW 1st Street - includes concrete removal and repair, high performance concrete deck overlay, replacement of bridge joints with new steel extrusion joints and neoprene glands, installation of galvanic corrosion anodes, lighting, traffic control, pavement markings, and mobilization.
- Change Order No. 1 for \$227,777.72, approved by City Council under Roll Call No. 18-1141 on July 9, 2018, added work to the Court Avenue Bridge Rehabilitation, including adding complete re-pointing of stone mortar on both bridge facades, added limestone and granite base adjustments, added stone anchor straps, added new conduit on both sides of bridge for City use, and reduced elastomeric pad thickness.
  - Change Order No. 2 for \$45,064.04, approved August 29, 2018 by the City Engineer, added work the Court Avenue Bridge Rehabilitation, including increased concrete repair areas, added alternate concrete repair method, added removal and replacement of concrete duct bank with 6-way 5-inch PVC conduit under the sidewalk at the northeast and northwest corners, and added replacement of sidewalk.
  - Change Order No. 3 for \$225,592.50, approved by City Council under Roll Call No. 18-1975 on December 3, 2018, added work to the Court Avenue Bridge Rehabilitation, including increased deck repairs and established renegotiated prices for Class B repairs and Embedded Anodes, added new reinforcing steel for deck repairs, added solvent pavement markings and HMA transition on the west approach, and adjusted contract completion provisions.
  - Change Order No. 4 for \$208,701.64, approved by City Council under Roll Call No. 19-1079 on July 15, 2019, added work to the Court Avenue Bridge Rehabilitation, including increased contract quantities for several deck repair items, increased Concrete Repair for additional repairs needed to the bridge superstructure and substructures based on field conditions, added rebar corrosion inhibitor and rail connection modifications to match the new railing into the existing wings/floodwalls, and adjusted contract completion dates.
  - Change Order No. 5 for \$743,398.21, approved by City Council under Roll Call No. 19-1983 on December 16, 2019, added work to the Court Avenue Bridge Rehabilitation, including increased contract quantities for several repair items, including large increases to concrete repair due to extensive deterioration of the Court Avenue bridge elements that were not visible at the time of plan development, as well as adjustments to the limestone elements of the bridge. Change Order No. 5 also included added work to the SW 1st Street Bridge Rehabilitation, including repairing the existing railing on SW 1st Street due to corrosion and adding an inlay aesthetic element in coordination with the Parks Department.

- Change Order No. 6 for \$409,223.25 increases contract quantities for several concrete repair items on Scott Avenue bridge, including large increases in barrier rail repairs. Additional concrete repair items were added for SW 1st Street bridge as the underside of the bridge deck was in worse condition than expected. When the SW 1st Street bridge was converted to a trail bridge in 2005, minimal repairs were made to underside elements of the bridge. Also included is the final rail installation on SW 1st Street and the associated removal of the old corroded embedded posts.



### PREVIOUS COUNCIL ACTION(S):

Date: December 16, 2019

Roll Call Number: [19-1983](#)

Action: [Approving](#) Change Order No. 5 with Jasper Construction Services, Inc. for additional work on Court Avenue, SW 1st Street and Scott Avenue Bridge Rehabilitation, \$743,398.21. ([Council Communication No. 19-543](#)) Moved by Gatto to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Based on the conditions encountered to date and as work continues on the rehabilitation of the Scott Avenue Bridge, it is likely that additional concrete deterioration will be encountered with repair quantities increasing. As with typical rehabilitation projects, unanticipated conditions found during the repairs of these older bridges may require additional work resulting in the need for a subsequent change order(s). Additional adjustments of quantities to final as-built quantities for all three (3) bridges will also be needed.

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